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CLAIMS:

What is claimed is:

1   1.   A process in a data processing system for
2   identifying package names, the process comprising the
3   computer implemented steps of:
4   responsive to receiving a selection of a class file,
5   identifying a path for a class file;
6   parsing the path to identify a set of sequential
7   segments; and
8   ascertaining a package name for the class using the
9   set of sequential segments, wherein the package name is
10 ascertained without disassembling the class file.

1   2.   The process of claim 1, wherein the class file is on
2   a local file system.

1   3.   The process of claim 1 further comprising:
2   receiving a selection of the class file, wherein the
3   selection includes information sufficient to identifying
4   the path for the class file.

1   4.   The process of claim 1, wherein the parsing step
2   includes:
3   identifying segments in the set of sequential
4   segments using delimiters in the path.

1   5.   The process of claim 1, wherein the ascertaining
2   step includes:

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3   selecting first segment containing a base class name
4 to form a proposed package name;
5   submitting the proposed package name to a Java
6 virtual machine;
7   responsive to the proposed package name being an
8 incorrect name, prepending a next segment to the proposed
9 package name; and
10   responsive to prepending the next segment,
11 submitting the current package name to the Java virtual
12 machine.

1 6.   The process of claim 5, wherein the first segment is
2 selected as being a first segment on a right side of the
3 set of sequential segments.

1 7.   The process of claim 1, wherein the process is
2 located in a Java class loader.

1 8.   The process of claim 1, wherein the class file is a
2 Java class file.

1 9.   A process in a data processing system for
2 identifying a package name for a class file, the process
3 comprising the computer implemented steps of:
4   receiving a selection of a class file;
5   identifying a path for the class file using the
6 selection;
7   parsing the path to form an ordered set of segments;
8   selecting an unselected segment from the ordered set
9 of segments;

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10   adding the unselected segment to a set of selected
11 segments;
12   generating a proposed package name using the set of
13 selected segments;
14   submitting the proposed package name to a virtual
15 machine for loading; and
16   repeating the selecting, adding, generating, and
17 submitting steps in response to the proposed package name
18 being an incorrect package name, wherein the package name
19 is identified without examining code in the class file.

1   10. The process of claim 9, wherein the code is a set of
2   bytecodes.

1   11. The process of claim 9, wherein the virtual machine
2   is a Java virtual machine.

1   12. A data processing system for identifying package
2   names, the data processing system comprising:
3   identifying means responsive to receiving means for
4   receiving a selection of a class file, for identifying a
5   path for a class file;
6   parsing means for parsing the path to identify a set
7   of sequential segments; and
8   ascertaining means for ascertaining a package name
9   for the class using the set of sequential segments,
10 wherein the package name is ascertained without
11 disassembling the class file.

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1   13.   The data processing system of claim 12, wherein the
2   class file is on a local file system.

1   14.   The data processing system of claim 12 further
2   comprising:
3   receiving means for receiving a selection of the
4   class file, wherein the selection includes information
5   sufficient to identifying the path for the class file.

1   15.   The data processing system of claim 12, wherein the
2   identifying means is a first identifying means and
3   wherein the parsing means includes:
4   second identifying means for identifying segments in
5   the set of sequential segments using delimiters in the
6   path.

1   16.   The data processing system of claim 12, wherein the
2   ascertaining means includes:
3   selecting means for selecting first segment
4   containing a base class name to form a proposed package
5   name;
6   first submitting means for submitting the proposed
7   package name to a Java virtual machine;
8   prepending means, responsive to the proposed package
9   name being an incorrect name, for prepending a next
10 segment to the proposed package name; and
11   second submitting means responsive to prepending the
12 next segment, for submitting the current package name to
13 the Java virtual machine.

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1   17. The data processing system of claim 16, wherein the
2   first segment is selected as being a first segment on a
3   right side of the set of sequential segments.

1   18. The data processing system of claim 12, wherein the
2   process is located in a Java class loader.

1   19. The data processing system of claim 12, wherein the
2   class file is a Java class file.

1   20. A process in a data processing system for
2   identifying a package name for a class file, the data
3   processing system comprising:
4   receiving means for receiving a selection of a class
5   file;
6   identifying means for identifying a path for the
7   class file using the selection;
8   parsing means for parsing the path to form an
9   ordered set of segments;
10   selecting means for selecting an unselected segment
11   from the ordered set of segments;
12   adding means for adding the unselected segment to a
13   set of selected segments;
14   generating means for generating a proposed package
15   name using the set of selected segments;
16   submitting means for submitting the proposed package
17   name to a virtual machine for loading; and
18   repeating means for repeating initiation of the
19   selecting means, adding means, generating means, and
20   submitting means in response to the proposed package name

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21 being an incorrect package name, wherein a package name
22 is identified without examining code in the class file.

1 21.   The data processing system of claim 20, wherein the
2 code is a set of bytecodes.

1 22.   The data processing system of claim 20, wherein the
2 virtual machine is a Java virtual machine.

1 23.   A computer program product in a computer readable
2 medium for identifying package names, the computer
3 program product comprising:
4   first instructions responsive to receiving a
5 selection of a class file, for identifying a path for a
6 class file;
7   second instructions for parsing the path to identify
8 a set of sequential segments; and
9   third instructions for ascertaining a package name
10 for the class using the set of sequential segments,
11 wherein the package name is ascertained without
12 disassembling the class file.

1 24.   The computer program product of claim 23, wherein
2 the class file is on a local file system.

1 25.   The computer program product of claim 23 further
2 comprising:
3   fourth instructions for receiving a selection of the
4 class file, wherein the selection includes information
5 sufficient to identifying the path for the class file.

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1   26.   The computer program product of claim 23, wherein
2   the second instructions includes:
3   sub-instructions for identifying segments in the set
4   of sequential segments using delimiters in the path.

1   27.   The computer program product of claim 23, wherein
2   the third instructions includes:
3   first sub-instructions for selecting first segment
4   containing a base class name to form a proposed package
5   name;
6   second sub-instructions for submitting the proposed
7   package name to a Java virtual machine;
8   third sub-instructions for responsive to the
9   proposed package name being an incorrect name, prepending
10   a next segment to the proposed package name; and
11   fourth sub-instructions for responsive prepending
12   the next segment submitting the current package name to
13   the Java virtual machine.

1   28.   The computer program product of claim 27, wherein
2   the first segment is selected as being a first segment on
3   a right side of the set of sequential segments.
4   29.   The computer program product of claim 23, wherein
5   the process is located in a Java class loader.

1   30.   The computer program product of claim 23, wherein
2   the class file is a Java class file.

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1   31. A computer program product in a computer readable
2   medium for identifying a package name for a class file,
3   the computer:
4   first instructions for receiving a selection of a
5   class file;
6   second instructions for identifying a path for the
7   class file using the selection;
8   third instructions for parsing the path to form an
9   ordered set of segments;
10   fourth instructions for selecting an unselected
11 segment from the ordered set of segments;
12   fifth instructions for adding the unselected segment
13 to a set of selected segments;
14   sixth instructions for generating a proposed package
15 name using the set of selected segments;
16   seventh instructions for submitting the proposed
17 package name to a virtual machine for loading; and
18   eighth instructions for repeating the initiation of
19 fourth, fifth, sixth, and seventh instructions in
20 response to the proposed package name being an incorrect
21 package name, wherein a package name is identified
22 without examining code in the class file.

1   32. The computer program product of claim 31, wherein
2   the code is a set of bytecodes.

1   33. The computer program product of claim 31, wherein
2   the virtual machine is a Java virtual machine.

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1 34. A data processing system comprising:
2   a bus system;
3   a memory connected to the bus system, wherein the
4   memory includes a set of instructions; and
5   a processing unit connected to the bus system,
6   wherein the processing unit executes a set of
7   instructions to identify a path for a class file in
8   response to receiving a selection of the class file; to
9   parse the path to identify a set of sequential segments;
10   and to ascertain a package name for the class using the
11   set of sequential segments, wherein the package name is
12   ascertained without disassembling the class file.

1 35. A data processing system comprising:
2   a bus system;
3   a memory connected to the bus system, wherein the
4   memory includes a set of instructions; and
5   a processing unit connected to the bus system,
6   wherein the processing unit executes a set of
7   instructions to receive a selection of a class file;
8   identify a path for the class file using the selection;
9   parse the path to form an ordered set of segments; select
10   an unselected segment from the ordered set of segments;
11   add the unselected segment to a set of selected segments;
12   generate a proposed package name using the set of
13   selected segments; submit the proposed package name to a
14   virtual machine for loading; and repeat instructions to
15

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15 select, add, generate, and submit in response to the

16 proposed package name being an incorrect package name,

17 wherein the package name is identified without examining

18 code in the class file.